Project Title	Funding	Strategic Plan Objective	Institution
20-year outcome of autism	$149,964	Q2.L.A	University of Utah
3 Tesla 31Phosphorus magnetic resonance spectroscopy in disorder with abnormal bioenergetics	$3,250	Q2.Other	Massachusetts General Hospital
Aberrant synaptic form and function due to TSC-mTOR-related mutation in autism spectrum disorders	$300,000	Q2.S.D	Columbia University
Abnormal connectivity in autism	$30,000	Q2.Other	University of California, Los Angeles
Abnormal network dynamics and "learning" in neural circuits from Fmr1-/- mice	$192,500	Q2.S.D	University of California, Los Angeles
ACE Center: Auditory perception and perceptual organization in minimally verbal children with ASD	$288,440	Q2.L.B	Boston University
ACE Center: Genetic and genomic analyses to connect genes to brain to cognition in ASD	$252,243	Q2.S.G	University of California, Los Angeles
ACE Center: Neuroimaging signatures of autism: Linking brain function to genes and behavior	$191,823	Q2.S.G	University of California, Los Angeles
ACE Center: Neuroimaging studies of connectivity in ASD	$315,268	Q2.Other	Yale University
ACE Center: Ontogeny and neural basis of social visual engagement in monkeys	$314,068	Q2.Other	Emory University
ACE Center: Predicting risk and resilience in ASD through social visual engagement	$329,264	Q2.L.B	Emory University
ACE Network: A longitudinal MRI study of infants at risk for autism	$2,619,590	Q2.L.A	University of North Carolina at Chapel Hill
ACE Network: A longitudinal MRI study of infants at risk for autism (supplement)	$565,115	Q2.L.A	University of North Carolina at Chapel Hill
ACE Network: Multimodal developmental neurogenetics of females with ASD	$3,118,985	Q2.S.B	Yale University
A cerebellar mutant for investigating mechanisms of autism in Tuberous Sclerosis	$149,958	Q2.S.D	Boston Children's Hospital
A collaborative translational autism research program for the military.	$903,888	Q2.S.G	Nationwide Children's Hospital
Action anticipation in infants	$102,258	Q2.Other	University of Chicago
Activity-dependent phosphorylation of MeCP2	$177,055	Q2.S.D	Harvard Medical School
A family-genetic study of autism and fragile X syndrome	$751,420	Q2.S.D	Northwestern University
A family-genetic study of language in autism	$391,295	Q2.S.G	Northwestern University
A functional genomic analysis of the cerebral cortex	$256,413	Q2.Other	University of California, Los Angeles
Allelic choice in Rett syndrome	$390,481	Q2.S.D	Winifred Masterson Burke Medical Research Institute
A longitudinal MRI study of brain development in fragile X syndrome	$610,416	Q2.S.D	University of North Carolina at Chapel Hill
Alterations in brain-wide neuroanatomy in autism mouse models	$300,000	Q2.Other	Cold Spring Harbor Laboratory
Altered gastrointestinal function in the neuroligin-3 mouse model of autism	$0	Q2.S.E	University of Melbourne

Project Title	Funding	Strategic Plan Objective	Institution
Altered gastrointestinal function in the neuroligin-3 mouse model of autism	$0	Q2.S.E	University of Melbourne
Altered gastrointestinal function in the neuroligin-3 mouse model of autism	$0	Q2.S.E	University of Melbourne
Altered placental tryptophan metabolism: A crucial molecular pathway for the fetal programming of neurodevelopmental disorders	$535,699	Q2.S.A	University of Southern California
Amygdala connectivity in autism spectrum disorder	$49,934	Q2.L.A	University of California, Davis
Analysis of Shank3 complete and temporal and spatial specific knockout mice	$481,448	Q2.Other	Duke University
A neural model of fronto-parietal mirror neuron system dynamics	$183,960	Q2.Other	University of Maryland, College Park
A neuroimaging study of twin pairs with autism	$625,557	Q2.S.G	Stanford University
Animal model of genetics and social behavior in autism spectrum disorders	$791,070	Q2.S.G	Duke University
A non-human primate autism model based on maternal infection	$0	Q2.S.A	California Institute of Technology
A novel transplantation assay to study human PTEN ASD alleles in GABAergic interneurons	$60,000	Q2.Other	University of California, San Francisco
A preliminary investigation of the neurobehavioral basis of sensory behavior in autism	$10,000	Q2.Other	Kennedy Krieger Institute
A sex-specific dissection of autism genetics	$0	Q2.S.B	University of California, San Francisco
Assessing sleep regulation, sleep-dependent memory consolidation, and sleep-dependent synaptic plasticity in mouse genetic models of schizophrenia and autism spectrum disorders	$45,000	Q2.S.E	University of Pennsylvania
A stem cell based platform for identification of common defects in autism spectrum disorders	$0	Q2.S.D	The Scripps Research Institute - California
A study of autism	$162,232	Q2.L.B	University of Pennsylvania
Attention & word learning in children with ASD-Translating experimental findings into intervention	$50,600	Q2.Other	Women & Infants Hospital
Atypical architecture of prefrontal cortex in young children with autism	$335,103	Q2.Other	University of California, San Diego
Auditory and integrative functions of the prefrontal cortex	$387,285	Q2.Other	University of Rochester
Autism: Neuropeptide hormones and potential pathway genes	$185,338	Q2.S.G	University of Illinois at Urbana Champaign
Autism and the insula: Genomic and neural circuits	$254,696	Q2.Other	California Institute of Technology
Autism phenotypes in Tuberous Sclerosis: Risk factors, features & architecture	$149,881	Q2.S.D	King's College London
Autism spectrum disorders and the visual analysis of human motion	$0	Q2.Other	Rutgers, The State University of New Jersey

Project Title	Funding	Strategic Plan Objective	Institution
Autism spectrum disorders –inflammatory subtype: Molecular characterization	$30,000	Q2.S.A	University of Medicine & Dentistry of New Jersey
Autistic traits: Life course & genetic structure	$531,127	Q2.S.G	Washington University in St. Louis
Autoimmunity against novel antigens in neuropsychiatric dysfunction	$320,000	Q2.S.A	University of Pennsylvania
Bayesian variable selection in generalized linear models with missing variables	$95,377	Q2.Other	Hunter College (City University of New York)
BDNF and the restoration of synaptic plasticity in fragile X and autism	$470,063	Q2.S.D	University of California, Irvine
Behavioral, fMRI, and anatomical MRI investigations of attention in autism	$47,114	Q2.Other	Massachusetts Institute of Technology
Behavioral and cognitive characteristics of females and males with autism	$60,000	Q2.S.B	Cleveland Clinic Foundation
Behavioral and neural correlates of reward motivation in children with autism spectrum disorders	$0	Q2.Other	University of North Carolina at Chapel Hill
Behavioral and neural processing of faces and expressions in nonhuman primates	$435,600	Q2.Other	Emory University
Behavioral and neural responses to emotional faces in individuals with ASD	$14,935	Q2.Other	Harvard University
Bi-directional regulation of Ube3a stability by cyclic AMP-dependent kinase	$60,000	Q2.S.D	University of North Carolina at Chapel Hill
Brain bases of language deficits in SLI and ASD	$614,180	Q2.Other	Massachusetts Institute of Technology
Brain-behavior interactions and visuospatial expertise in autism: a window into the neural basis of autistic cognition	$0	Q2.Other	Hospital Riviere-des-Praires, University of Montreal, Canada
Brain electrophysiology of interactive social stimuli	$52,984	Q2.Other	Yale University
Brain mitochondrial abnormalities in autism	$20,000	Q2.S.A	New York State Institute for Basic Research in Developmental Disabilities
BRIGE: Emotion mapping of children through human-robot interaction and affective computing	$174,583	Q2.Other	University of Louisville Research Foundation Inc
Building awareness of the value of brain tissue donation for autism research	$90,120	Q2.S.C	Autism Science Foundation
Canonical neural computation in autism spectrum disorders	$365,741	Q2.Other	New York University
CAREER: Dissecting the neural mechanisms for face detection	$0	Q2.Other	California Institute of Technology
CAREER: Integrative behavioural and neurophysiological studies of normal and autistic cognition using video game environments	$0	Q2.Other	Cornell University
CAREER: Statistical models and classification of time-varying shape	$8,000	Q2.Other	University of Utah

Project Title	Funding	Strategic Plan Objective	Institution
CAREER: The role of prosody in word segmentation and lexical access	$0	Q2.Other	Michigan State University
CAREER: Typical and atypical development of brain regions for theory of mind	$86,848	Q2.Other	Massachusetts Institute of Technology
Caspr2 as an autism candidate gene: A proteomic approach to function & structure	$312,000	Q2.Other	University of Medicine & Dentistry of New Jersey - Robert Wood Johnson Medical School
CDI-TYPE II: From language to neural representations of meaning	$0	Q2.Other	Carnegie Mellon University
Cell adhesion molecules in autism: A whole-brain study of genetic mouse models	$485,438	Q2.Other	Cold Spring Harbor Laboratory
Cell adhesion molecules in CNS development	$534,562	Q2.Other	The Scripps Research Institute - California
Cellular density and morphology in the autistic temporal human cerebral cortex	$363,672	Q2.Other	University of California, Davis
Cerebellar modulation of frontal cortical function	$302,306	Q2.Other	University of Memphis
Cerebellar plasticity and learning in a mouse model of autism	$156,250	Q2.Other	University of Chicago
Characterization of infants and toddlers with the 16p copy-number variation	$190,766	Q2.S.G	Boston Children's Hospital
Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	$0	Q2.Other	Research Foundation for Mental Hygiene, Inc.
Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	$0	Q2.Other	Research Foundation for Mental Hygiene, Inc.
Characterization of the pathological and biochemical markers that correlate to the clinical features of autism	$0	Q2.Other	Research Foundation for Mental Hygiene, Inc.
Characterization of the sleep phenotype in adolescents and adults with autism spectrum disorder	$150,000	Q2.S.E	Vanderbilt University
Characterizing mechanistic heterogeneity across ADHD and autism	$611,788	Q2.Other	Oregon Health & Science University
Characterizing sleep disorders in autism spectrum disorder	$225,081	Q2.S.E	Stanford University
Characterizing the genetic systems of autism through multi-disease analysis	$524,280	Q2.S.G	Harvard Medical School
Characterizing the genetic systems of autism through multi-disease analysis (supplement)	$120,328	Q2.S.G	Harvard Medical School
Characterizing the regulatory pathways and regulation of AUTS2	$57,964	Q2.Other	University of California, San Francisco
Children with 7q11.23 duplication syndrome: shared characteristics with autism	$125,000	Q2.S.G	University of Louisville
CLARITY: circuit-dynamics and connectivity of autism-related behavior	$124,320	Q2.Other	Stanford University
Cognitive control of emotion in autism	$102,638	Q2.Other	University of Pittsburgh

Project Title	Funding	Strategic Plan Objective	Institution
Collaborative research: Learning complex auditory categories	$0	Q2.Other	Carnegie Mellon University
Collaborative research: Learning complex auditory categories	$0	Q2.Other	University of Arizona
Collaborative research: Modeling perception and memory: Studies in priming	$0	Q2.Other	University of California, San Diego
Collaborative research: RUI: Perceptual pick-up processes in interpersonal coordination	$0	Q2.Other	College of the Holy Cross
Comprehensive phenotypic characterization of the 17q12 deletion syndrome	$62,500	Q2.S.G	Weis Center for Research - Geisinger Clinc
Computational characterization of language use in autism spectrum disorder	$738,723	Q2.Other	Oregon Health & Science University
Controlling interareal gamma coherence by optogenetics, pharmacology and behavior	$84,775	Q2.Other	Massachusetts Institute of Technology
Convergence of immune and genetic signaling pathways in autism and schizophrenia	$0	Q2.S.A	University of California, Davis
Coordinated control of synapse development by autism-linked genes	$0	Q2.S.D	University of Texas Southwestern Medical Center
Cortactin and spine dysfunction in fragile X	$32,875	Q2.S.D	University of California, Irvine
Cortical circuit changes and mechanisms in a mouse model of fragile X syndrome	$278,656	Q2.S.D	University of Texas Southwestern Medical Center
Cortical dynamics in autism	$52,190	Q2.Other	New York University
Corticothalamic circuit interactions in autism	$250,000	Q2.Other	Boston Children's Hospital
Deciphering the function and regulation of AUTS2	$0	Q2.Other	University of California, San Francisco
Decoding 'what' and 'who' in the auditory system of children with autism spectrum disorders	$197,500	Q2.Other	Stanford University
Defining cells and circuits affected in autism spectrum disorders	$336,872	Q2.Other	The Rockefeller University
Defining the electrophysiological dynamics of the default mode network	$146,025	Q2.Other	University of Washington
Developing novel automated apparatus for studying battery of social behaviors in mutant mouse models for autism	$0	Q2.Other	Weizmann Institute of Science
Developmental neurogenetics in adolescents with autism	$124,769	Q2.S.G	Yale University
Development of a connectomic functional brain imaging endophenotype of autism	$0	Q2.Other	University of Cambridge
Development of brain connectivity in autism	$0	Q2.Other	New York School of Medicine
Development of face processing expertise	$351,984	Q2.Other	University of Toronto
Development of the functional neural systems for face expertise	$507,685	Q2.Other	University of California, San Diego

Project Title	Funding	Strategic Plan Objective	Institution
Development of ventral stream organization	$137,338	Q2.Other	University of Pittsburgh
Diffusion tensor MR spectroscopic imaging in human brain	$203,715	Q2.Other	University of New Mexico Health Sciences Center
Dimensions of mind perception	$0	Q2.Other	Harvard University
Direct recording from autism brains	$60,074	Q2.S.E	California Institute of Technology
Dual modulators of GABA-A and Alpha7 nicotinic receptors for treating autism	$615,849	Q2.Other	University of California, Irvine
Dynamic regulation of Shank3 and ASD	$646,316	Q2.Other	Johns Hopkins University
Dysregulation of mTOR signaling in fragile X syndrome	$415,000	Q2.S.D	Albert Einstein College of Medicine of Yeshiva University
Dysregulation of mTOR signaling in fragile X syndrome (supplement)	$72,034	Q2.S.D	Albert Einstein College of Medicine of Yeshiva University
Dysregulation of protein synthesis in fragile X syndrome	$1,117,731	Q2.S.D	National Institutes of Health
Early expression of autism spectrum disorder in experimental animals	$0	Q2.Other	Neurochlore
EEG-based assessment of functional connectivity in autism	$175,042	Q2.Other	Kennedy Krieger Institute
Effect of paternal age on mutational burden and behavior in mice	$222,000	Q2.Other	University of North Carolina at Chapel Hill
Electrophysiological response to executive control training in autism	$89,670	Q2.Other	University of Washington
Electrophysiologic biomarkers of language function in autism spectrum disorders	$28,600	Q2.L.B	University of California, Los Angeles
Elucidating the function of class 4 semaphorins in GABAergic synapse formation	$336,922	Q2.Other	Brandeis University
Elucidating the function of class 4 semaphorins in GABAergic synapse formation (supplement)	$23,015	Q2.Other	Brandeis University
Elucidation and rescue of amygdala abnormalities in the Fmr1 mutant mouse model of fragile X syndrome	$150,000	Q2.S.D	George Washington University
Elucidation of the developmental role of Jakmip1, and autism-susceptibility gene	$31,474	Q2.Other	University of California, Los Angeles
Emergence and stability of autism in fragile X syndrome	$358,000	Q2.S.D	University of South Carolina
Emergence and stability of autism in fragile X syndrome (supplement)	$87,314	Q2.S.D	University of South Carolina
Endosomal NHE6 in long-range connectivity and autism	$62,500	Q2.Other	Brown University
Engrailed genes and cerebellum morphology, spatial gene expression and circuitry	$470,003	Q2.Other	Sloan-Kettering Institute for Cancer Research
Engrailed targets and the control of synaptic circuits in Drosophila	$352,100	Q2.Other	University of Puerto Rico Medical Sciences Campus
Enhancing neurobehavioural and clinical definitions in autism spectrum disorders	$28,000	Q2.Other	Monash University

Project Title	Funding	Strategic Plan Objective	Institution
Epileptiform discharges and its relation to cognition and behavior in children with autism spectrum disorders	$0	Q2.S.E	Vanderbilt University
ERK signaling in autism associated with copy number variation of 16p11.2	$51,290	Q2.Other	Case Western Reserve University
Evaluating the time-dependent unfolding of social interactions in autism	$252,622	Q2.Other	University of Cincinnati
Examining connectivity patterns of brain networks participating in social cognition in ASD	$40,000	Q2.Other	San Diego State University
Excessive cap-dependent translation as a molecular mechanism underlying ASD	$0	Q2.Other	New York University
Executive function in children with typical and atypical language abilities	$564,177	Q2.Other	University of Wisconsin - Madison
Experience and cognitive development in infancy	$102,038	Q2.Other	University of California, Davis
Exploring metabolic dysfunction in the brains of people with autism	$0	Q2.S.A	George Washington University
Exploring the uncanny valley	$0	Q2.Other	Carnegie Mellon University
Extended tracking of single synaptic proteins with upconverting nanoparticles	$10,819	Q2.Other	University of California; Lawrence Berkeley National Laboratory
Eye movement dynamics in autism spectrum disorders	$0	Q2.Other	Carnegie Mellon University
Face perception: Mapping psychological spaces to neural responses	$0	Q2.Other	Stanford University
Factors influencing early associative learning as a precursor to social behavior heterogeneity	$53,000	Q2.S.G	University of Southern California
Fragile X syndrome target analysis and its contribution to autism	$134,477	Q2.S.D	The Rockefeller University
Functional analysis of EFR3A mutations associated with autism	$156,250	Q2.Other	Yale University
Functional analysis of neurexin IV in Drosophila	$0	Q2.Other	University of California, Los Angeles
Functional analysis of patient mutations in EPHB2, an ASD candidate gene- Core	$62,475	Q2.Other	McLean Hospital
Functional analysis of patient mutations in EPHB2, an ASD candidate gene- Project 1	$177,512	Q2.Other	Yale University
Functional anatomy of face processing in the primate brain	$1,660,304	Q2.Other	National Institutes of Health
Functional and anatomical recovery of synaptic deficits in a mouse model of Angelman Syndrome	$56,000	Q2.S.D	University of North Carolina at Chapel Hill
Functional circuit disorders of sensory cortex in ASD and RTT	$254,976	Q2.S.D	University of Pennsylvania
Functional imaging of flexibility in autism: Informed by SLC6A4	$132,748	Q2.S.G	Children's Hospital of Philadelphia
Functional neuroimaging of attention in autism	$192,365	Q2.S.E	Children's Hospital of Philadelphia

Project Title	Funding	Strategic Plan Objective	Institution
Functional neuroimaging of psychopharmacologic intervention for autism	$162,369	Q2.L.B	University of North Carolina at Chapel Hill
Functional properties and directed connectivity in the face-processing network	$55,670	Q2.Other	Yale University
Functional role of IL-6 in fetal brain development and abnormal behavior	$42,232	Q2.Other	California Institute of Technology
Function and dysfunction of neuroligins in synaptic circuits	$750,000	Q2.Other	Stanford University
Function and structure adaptations in forebrain development	$541,770	Q2.Other	University of Southern California
Function of neurexins	$473,710	Q2.Other	Stanford University
GABA(A) and prenatal immune events leading to autism	$125,000	Q2.S.A	Stanford University
GABAergic dysfunction in autism	$48,000	Q2.Other	Johns Hopkins University
GABRB3 and placental vulnerability in ASD	$642,258	Q2.S.A	Stanford University
Genetically defined stem cell models of Rett and fragile X syndrome	$350,000	Q2.S.D	Whitehead Institute for Biomedical Research
Genetic and developmental analyses of fragile X mental retardation protein	$438,391	Q2.S.D	Vanderbilt University Medical Center
Genetic dissection of restricted repetitive behavior (RRB)	$177,736	Q2.S.G	Seattle Children's Hospital
Genetic investigations of motor stereotypies	$62,136	Q2.S.G	Yale University
Genetic model to study the ASD-associated gene A2BP1 and its target PAC1	$62,500	Q2.Other	Weizmann Institute of Science
Genetic rescue of fragile X syndrome in mice by targeted deletion of PIKE	$0	Q2.S.D	Albert Einstein College of Medicine of Yeshiva University
Genetic studies of autism-related Drosophila neurexin and neuroligin	$489,104	Q2.Other	University of North Carolina at Chapel Hill
Genome-wide identification of variants affecting early human brain development	$611,005	Q2.S.G	University of North Carolina at Chapel Hill
Genomic and epigenomic effects of large CNV in neurons from iPSC	$2,355,000	Q2.S.G	Stanford University
Genotype-phenotype relationships in fragile X families	$612,413	Q2.S.D	University of California, Davis
Glial control of neuronal receptive ending morphology	$418,275	Q2.Other	The Rockefeller University
Grammatical development in boys with fragile X syndrome and autism	$148,500	Q2.S.D	University of Wisconsin - Madison
HCC:Small:Computational studies of social nonverbal communication	$0	Q2.Other	University of Southern California
Head-fixed recording of sensory learning in mouse autism models	$0	Q2.Other	Princeton University
High metabolic demand of fast-spiking cortical interneurons underlying the etiology of autism	$54,500	Q2.Other	Weill Cornell Medical College

Project Title	Funding	Strategic Plan Objective	Institution
High-throughput DNA sequencing method for probing the connectivity of neural circuits at single-neuron resolution	$464,475	Q2.Other	Cold Spring Harbor Laboratory
High throughput screen for small molecule probes for neural network development	$405,000	Q2.Other	Johns Hopkins University
High throughput sequencing of autism spectrum disorder (ASD) endophenotypes	$39,432	Q2.S.G	Baylor College of Medicine
Homeostatic regulation of presynaptic function by dendritic mTORC1	$32,747	Q2.Other	University of Michigan
How autism affects speech understanding in multitalker environments	$0	Q2.Other	University of Maryland, College Park
Hyperthermia and the amelioration of autism symptoms	$66,153	Q2.S.A	Montefiore Medical Center
Identification and analysis of ASD patients with PI3K/mTOR signalopathies	$66,500	Q2.Other	Emory University
Identification of candidate genes at the synapse in autism spectrum disorders	$168,839	Q2.Other	Yale University
Identification of genetic pathways that regulate neuronal circuits in C. elegans	$47,114	Q2.Other	University of California, San Diego
Identification of targets for the neuronal E3 ubiquitin ligase PAM	$0	Q2.S.D	Massachusetts General Hospital
Identifying the gene in 17q12 responsible for neuropsychiatric phenotypes	$180,140	Q2.S.G	Emory University
IL-1beta and IL1RAPL1: Gene-environment interactions regulating synapse density and function in ASD	$28,600	Q2.S.A	University of California, Davis
Imaging PTEN-induced changes in adult cortical structure and function in vivo	$300,156	Q2.Other	University of California, Los Angeles
Imaging signal transduction in single dendritic spines	$382,200	Q2.Other	Duke University
Impact of SynGAP1 mutations on synapse maturation and cognitive development	$789,981	Q2.Other	The Scripps Research Institute - Florida
Impairments of theory of mind disrupt patterns of brain activity	$321,000	Q2.Other	Massachusetts Institute of Technology
Infants' developing representation of object function	$0	Q2.Other	University of California, Davis
Influence of attention and arousal on sensory abnormalities in ASD	$232,500	Q2.Other	University of California, San Diego
Influence of maternal cytokines during pregnancy on effector and regulatory T helper cells as etiological factors in autism	$0	Q2.S.A	University of Medicine & Dentistry of New Jersey
Inhibitory mechanisms for sensory map plasticity in cerebral cortex	$328,644	Q2.Other	University of California, Berkeley
Integrative functions of the planum temporale	$440,810	Q2.Other	University of California, Irvine
Integrative functions of the planum temporale (supplement)	$34,768	Q2.Other	University of California, Irvine

Project Title	Funding	Strategic Plan Objective	Institution
Investigating brain connectivity in autism at the whole-brain level	$88,508	Q2.Other	California Institute of Technology
Investigating brain connectivity in autism at the whole-brain level	$249,001	Q2.Other	Indiana University
Investigating brain organization and activation in autism at the whole-brain level	$0	Q2.Other	California Institute of Technology
Investigating the etiology of childhood disintegrative disorder	$149,953	Q2.S.F	Yale University
Investigating the homeostatic role of MeCP2 in mature brain	$35,832	Q2.S.D	Baylor College of Medicine
Investigation of a possible role of the protocahderin gene cluster in autism	$150,000	Q2.Other	Columbia University
Investigation of protocadherin-10 in MEF2- and FMRP-mediated synapse elimination	$53,942	Q2.S.D	University of Texas Southwestern Medical Center
Investigation of sex differences associated with autism candidate gene, Cyfip1	$32,413	Q2.S.B	University of California, Los Angeles
Investigation of social brain circuits and fever-evoked response in 16p11.2 mice	$60,000	Q2.Other	Cold Spring Harbor Laboratory
Investigation of social brain circuits in mouse models of the 16p11.2 locus	$175,000	Q2.Other	Cold Spring Harbor Laboratory
Investigation of the link between early brain enlargement and abnormal functional connectivity in autism spectrum disorders	$0	Q2.L.A	University of Washington
In-vivo imaging of neuronal structure and function in a reversible mouse model for autism.	$0	Q2.S.D	Baylor College of Medicine
In vivo targeted gene silencing, a novel method	$192,500	Q2.Other	Indiana University-Purdue University Indianapolis
Kinetics of drug macromolecule complex formation	$712,921	Q2.Other	University of California, San Diego
Language development in fragile X syndrome	$584,381	Q2.S.D	University of California, Davis
Language processing in children with 22q11 deletion syndrome and autism	$0	Q2.S.G	Emory University
Learning and plasticity in the human brain	$351,533	Q2.Other	National Institutes of Health
Learning in autism spectrum disorders	$28,902	Q2.Other	University of California, Davis
Linguistic perspective-taking in adults with high-functioning autism: Investigation of the mirror neuron system	$0	Q2.Other	Carnegie Mellon University
Linking local activity and functional connectivity in autism	$370,304	Q2.Other	San Diego State University
Linking local activity and functional connectivity in autism (supplement)	$92,508	Q2.Other	San Diego State University
Local connectivity in altered excitation/inhibition balance states	$62,500	Q2.Other	Weizmann Institute of Science
Local functional connectivity in ASD	$50,811	Q2.L.B	Massachusetts General Hospital

Project Title	Funding	Strategic Plan Objective	Institution
Longitudinal characterization of functional connectivity in autism	$182,352	Q2.L.A	University of Utah
Longitudinal MRI study of brain development in fragile X	$901,844	Q2.S.D	Stanford University
L-type calcium channel regulation of neuronal differentiation	$33,002	Q2.S.D	Stanford University
Macrocephalic autism: Exploring and exploiting the role of PTEN	$0	Q2.Other	University of Wisconsin - Madison
Magnetoencephalographic studies of lexical processing and abstraction in autism	$321,156	Q2.Other	University of Pennsylvania
Making the connection between autism, serotonin and hedgehog signaling	$125,635	Q2.S.D	Medical Research Council-National Institute for Medical Research
Mapping functional connectivity networks in autism spectrum disorder with diffuse optical tomography	$55,170	Q2.Other	Washington University in St. Louis
Mathematical cognition in autism: A cognitive and systems neuroscience approach	$652,461	Q2.Other	Stanford University
Mechanism of UBE3A imprint in neurodevelopment	$34,439	Q2.S.D	University of California, Davis
Mechanisms of mGluR5 function and dysfunction in mouse autism models	$406,760	Q2.S.D	University of Texas Southwestern Medical Center
Mechanisms of mitochondrial dysfunction in autism	$0	Q2.S.A	Georgia State University
Mechanisms of motor skill learning in the fragile X mouse model	$308,138	Q2.S.D	University of Nebraska Medical Center
Mechanisms of synapse elimination by autism-linked genes	$434,883	Q2.S.D	University of Texas Southwestern Medical Center
Mechanisms of synaptic alterations in a neuroinflammation model of autism	$579,882	Q2.S.A	University of Nebraska Medical Center
MeCP2 modulation of BDNF signaling: Shared mechanisms of Rett and autism	$314,059	Q2.S.D	University of Alabama at Birmingham
Mesocorticolimbic dopamine circuitry in mouse models of autism	$436,362	Q2.S.D	Stanford University
Metacognition in comparative perspective	$210,561	Q2.Other	University at Buffalo, The State University of New York
Met signaling in neural development and circuitry formation	$249,000	Q2.Other	University of Arizona
MicroRNAs in synaptic plasticity and behaviors relevant to autism	$131,220	Q2.S.D	Massachusetts General Hospital
Modeling 5-HT-absorbing neurons in neuropathology of autism	$250,500	Q2.Other	Albert Einstein College of Medicine of Yeshiva University
Modulation of fxr1 splicing as a treatment strategy for autism in fragile X syndrome	$0	Q2.S.D	Stanford University
Modulation of RhoA signaling by the mRNA binding protein hnRNPQ1	$30,912	Q2.Other	Emory University
Molecular components of A-type K+ channels	$363,366	Q2.S.E	New York University School of Medicine

Project Title	Funding	Strategic Plan Objective	Institution
Molecular controls over callosal projection neuron subtype specification and diversity	$42,232	Q2.Other	Harvard University
Molecular dissection of calmodulin domain functions	$321,473	Q2.Other	University of Iowa
Molecular mechanisms linking early life seizures, autism and intellectual disability	$333,473	Q2.S.E	University of Colorado Denver
Molecular mechanisms of the synaptic organizer alpha-neurexin	$383,267	Q2.Other	University of Michigan
Molecular signatures of autism genes and the 16p11.2 deletion	$62,500	Q2.Other	Massachusetts General Hospital
Monolingual and bilingual infants' sensitivity to agreement morphology in Spanish	$144,100	Q2.Other	Florida International University
Morphogenesis and function of the cerebral cortex	$409,613	Q2.Other	Yale University
Motor control and cerebellar maturation in autism	$157,148	Q2.Other	University of Texas Southwestern Medical Center
Motor skill learning in autism	$395,908	Q2.Other	Kennedy Krieger Institute
Mouse models of human autism spectrum disorders: Gene targeting in specific brain regions	$400,000	Q2.S.D	University of Texas Southwestern Medical Center
MRI study of brain development in school age children with autism	$127,479	Q2.L.A	University of North Carolina at Chapel Hill
MTHFR functional polymorphism C677T and genomic instability in the etiology of idiopathic autism in simplex families	$0	Q2.Other	Queen's University
Multigenic basis for autism linked to 22q13 chromosomal region	$125,000	Q2.S.D	Hunter College of the City University of New York (CUNY) jointly with Research Foundation of CUNY
Multimodal brain imaging in autism spectrum disorders	$167,832	Q2.Other	University of Washington
Multimodal imaging of social brain networks in ASD	$150,036	Q2.Other	San Diego State University
Multimodal neuroimaging of motor dysfunction in autism spectrum disorders	$56,000	Q2.Other	University of Colorado Denver
Multimodal studies of executive function deficits in autism spectrum disorders	$54,570	Q2.Other	Massachusetts General Hospital
Multiple systems in theory of mind development	$0	Q2.Other	Rutgers, The State University of New Jersey - New Brunswick
Multisensory integration in children with ASD	$192,136	Q2.Other	University of California, Davis
Multisensory processing in autism	$60,000	Q2.Other	Baylor College of Medicine
Nav1.1 channels, neural circuits, and autism	$10,213	Q2.S.D	University of Washington
Near-infrared spectroscopy studies of early neural signatures of autism	$149,917	Q2.L.B	Yale University
Neocortical mechanisms of categorical speech perception	$239,255	Q2.Other	University of California, San Francisco
Networked cortical responses to movement associated with ASD	$449,700	Q2.Other	University of Washington

Project Title	Funding	Strategic Plan Objective	Institution
Neural basis of behavioral flexibility	$360,214	Q2.Other	Mount Sinai School of Medicine
Neural basis of cross-modal influences on perception	$158,282	Q2.Other	University of California, San Diego
Neural basis of empathy and its dysfunction in autism spectrum disorders (ASD)	$0	Q2.Other	Duke University
Neural correlates of restricted, repetitive behaviors in autism spectrum disorders	$0	Q2.S.G	Massachusetts General Hospital
Neural correlates of restricted, repetitive behaviors in autism spectrum disorders	$0	Q2.S.G	Massachusetts General Hospital
Neural mechanisms of imitative behavior: Implications for mental health	$33,128	Q2.Other	University of California, Los Angeles
Neural mechanisms of tactile sensation in rodent somatosensory cortex	$255,940	Q2.Other	University of California, Berkeley
Neural mechanisms underlying an extended multisensory temporal binding window in ASD	$0	Q2.Other	Vanderbilt University
Neural mechanisms underlying autism behaviors in SCN1A mutant mice	$94,903	Q2.S.D	University of Washington
Neural synchronydysfunction of gamma oscillations in autism	$265,073	Q2.Other	University of Colorado Denver
Neural synchronydysfunction of gamma oscillations in autism (supplement)	$100,386	Q2.Other	University of Colorado Denver
Neural underpinning of emotion perception and its disorders	$30,000	Q2.Other	Dartmouth College
Neurexin-neuroligin trans-synaptic interaction in learning and memory	$200,000	Q2.Other	Columbia University
Neurobehavioral investigation of tactile features in autism spectrum disorders	$162,666	Q2.Other	Vanderbilt University Medical Center
Neurobiological correlates of language dysfunction in autism spectrum disorders	$535,052	Q2.Other	The Mind Research Network
Neurobiological mechanism of 15q11-13 duplication autism spectrum disorder	$380,625	Q2.S.D	Beth Israel Deaconess Medical Center
Neurobiological signatures of audiovisual speech perception in children in ASD	$217,886	Q2.Other	Haskins Laboratories, Inc.
Neurobiology of RAI1, the causal gene for Smith-Magenis syndrome	$155,380	Q2.S.D	Stanford University
Neuroendocrine regulation of metabolism and neurocognition	$402,805	Q2.S.E	National Institutes of Health
Neuroimaging of top-down control and bottom-up processes in childhood ASD	$387,066	Q2.Other	Georgetown University
Neuroimaging of top-down control and bottom-up processes in childhood ASD (supplement)	$111,600	Q2.Other	Georgetown University
Neuroimmunologic investigations of autism spectrum disorders (ASD)	$101,877	Q2.S.F	National Institutes of Health

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Neuroligin, oxidative stress and autism	$150,000	Q2.Other	Oklahoma Medical Research Foundation
Neuronal basis of vicarious reinforcement dysfunction in autism spectrum disorder	$310,081	Q2.Other	Duke University
Neuropathology of the social-cognitive network in Autism: a comparison with other structural theories	$140,718	Q2.Other	University of Oxford
Neuropeptide regulation of juvenile social behaviors	$29,550	Q2.Other	Boston College
Neuroprotective effects of oxytocin receptor signaling in the enteric nervous system	$25,000	Q2.Other	Columbia University
New approaches to local translation: SpaceSTAMP of proteins synthesized in axons	$419,095	Q2.S.D	Dana-Farber Cancer Institute
Novel candidate mechanisms of fragile X syndrome	$92,448	Q2.S.D	Yale University
Novel computational methods for higher order diffusion MRI in autism	$725,545	Q2.Other	University of Pennsylvania
Novel regulatory network involving non-coding role of an ASD candidate gene PTEN	$208,750	Q2.Other	Albert Einstein College of Medicine of Yeshiva University
Olfactory abnormalities in the modeling of Rett syndrome	$351,575	Q2.S.D	Johns Hopkins University
Pathologic and genetic characterization of novel brain cortical patches in young autistic brains	$50,000	Q2.Other	University of California, San Francisco
Pathophysiology of MECP2 spectrum disorders (Career Development Award Proposal)	$179,981	Q2.S.D	Baylor College of Medicine
Pediatric brain imaging	$2,419,583	Q2.L.A	National Institutes of Health
Perturbed cortical patterning in autism	$60,000	Q2.Other	Seattle Children's Hospital
Physiological studies in a human stem cell model of 15q duplication syndrome	$60,000	Q2.S.D	University of Connecticut
Physiology of attention and regulation in children with ASD and LD	$341,013	Q2.Other	Seattle Children's Hospital
PI3K/mTOR signaling as a novel biomarker and therapeutic target in autism	$0	Q2.Other	Emory University
Pleiotropic roles of dyslexia genes in neurodevelopmental language impairments	$42,232	Q2.S.D	Yale University
Pragmatics and semantics in autism spectrum disorder	$29,155	Q2.Other	City University of New York Graduate School and University Center
Predicting phenotypic trajectories in Prader-Willi syndrome	$310,752	Q2.S.D	Vanderbilt University Medical Center
Preference acquisition in children and adolescents with and without autism spectrum disorder	$0	Q2.Other	Dalhousie University
Presynaptic regulation of quantal size by the cation/H+ exchangers NHE6 & NHE9	$33,932	Q2.Other	University of California, Berkeley
Probing a monogenic form of autism from molecules to behavior	$0	Q2.S.D	Stanford University

Project Title	Funding	Strategic Plan Objective	Institution
Probing synaptic receptor composition in mouse models of autism	$124,998	Q2.S.D	Boston Children's Hospital
Probing the neural basis of social behavior in mice	$62,500	Q2.S.D	Massachusetts Institute of Technology
Probing the temporal dynamics of aberrant neural communication and its relation to social processing deficits in autism spectrum disorders	$0	Q2.Other	University of Pittsburgh
Project 2: Immunological susceptibility of autism (supplement)	$30,784	Q2.S.A	University of California, Davis
Prostaglandins and cerebellum development	$371,250	Q2.S.A	University of Maryland, Baltimore
Proteome and interaction networks in autism	$156,250	Q2.Other	Harvard Medical School
Psychobiological investigation of the socioemotional functioning in autism	$347,490	Q2.Other	Vanderbilt University Medical Center
Quantitative proteomic approach towards understanding and treating autism	$75,000	Q2.S.D	Emory University
Redox abnormalities as a vulnerability phenotype for autism and related alterations in CNS development	$0	Q2.S.A	State University of New York at Potsdam
Redox abnormalities as a vulnerability phenotype for autism and related alterations in CNS development	$0	Q2.S.A	Arkansas Children's Hospital Research Institute
Redox abnormalities as a vulnerability phenotype for autism and related alterations in CNS development	$0	Q2.S.A	University of Rochester
Regulation of 22q11 genes in embroyonic and adult forebrain	$308,631	Q2.S.D	George Washington University
Regulation of 22q11 genes in embroyonic and adult forebrain (supplement)	$24,262	Q2.S.D	George Washington University
Regulation of cortical critical periods in a mouse model of autism	$60,000	Q2.S.D	Northwestern University
Regulation of spine morphogenesis by NrCAM	$185,000	Q2.Other	University of North Carolina at Chapel Hill
Regulation of synaptogenesis by cyclin-dependent kinase 5	$0	Q2.Other	Massachusetts Institute of Technology
Relating copy number variants to head and brain size in neuropsychiatric disorders	$322,286	Q2.S.G	University of California, San Diego
Retrograde synaptic signaling by Neurexin and Neuroligin in C. elegans	$250,000	Q2.Other	Massachusetts General Hospital
Revealing protein synthesis defects in fragile X syndrome with new chemical tools	$340,520	Q2.S.D	Stanford University
RI: Small: Addressing visual analogy problems on the raven's intelligence test	$284,454	Q2.Other	Georgia Tech Research Corporation
RNA dysregulation in autism	$125,000	Q2.Other	The Rockefeller University
Role of autism-susceptibility gene, CNTNAP2, in neural circuitry for vocal communication	$0	Q2.Other	University of California, Los Angeles

Project Title	Funding	Strategic Plan Objective	Institution
Role of CNTNAP2 in neuronal structural development and synaptic transmission	$53,500	Q2.Other	Stanford University
Role of GluK6 in cerebella circuitry development	$58,442	Q2.Other	Yale University
Role of intracellular mGluR5 in fragile X syndrome and autism	$75,000	Q2.S.D	Washington University in St. Louis
Role of major vault protein in autism	$59,972	Q2.Other	Yale University
Role of microglia and complement at developing synapses in ASD	$60,001	Q2.S.A	Boston Children's Hospital
Role of microglial activation in the serotonergic and neuroimmune disturbances underlying autism	$50,000	Q2.S.A	Hamamatsu University School of Medicine
Role of negative regulators of FGF signaling in frontal cortex development and autism	$45,000	Q2.Other	University of California, San Francisco
Role of neurexin in the amygdala and associated fear memory	$175,000	Q2.Other	Columbia University
Role of neuronal migration genes in synaptogenesis and plasticity	$52,190	Q2.Other	Weill Cornell Medical College
Role of Sema7A in functional organization of neocortex	$423,750	Q2.S.D	Mount Sinai School of Medicine
Roles of miRNAs in regulation of Foxp2 and in autism	$45,000	Q2.Other	Louisiana State University
Salivary melatonin as a biomarker for response to sleep interventions in children with autism	$0	Q2.S.E	University of Colorado Denver
Selective disruption of hippocampal dentate granule cells in autism: Impact of PT	$411,292	Q2.S.E	Cincinnati Children's Hospital Medical Center
Selective disruption of hippocampal dentate granule cells in autism: Impact of PT (supplement)	$14,596	Q2.S.E	Cincinnati Children's Hospital Medical Center
Self-injurious behavior: An animal model of an autism endophenotype	$0	Q2.Other	University of Florida
Self-regulation and sleep in children at risk for autism spectrum disorders	$87,899	Q2.S.E	University of California, Davis
Semaphorin4D and PlexinB1 mediate GABAergic synapse development in mammalian CNS	$27,814	Q2.Other	Brandeis University
Sensitive periods in cerebellar development	$32,941	Q2.S.A	University of Maryland, Baltimore
Sensory mechanisms and self-injury	$447,738	Q2.S.E	University of Minnesota
Sensory processing and integration in autism	$548,158	Q2.Other	Albert Einstein College of Medicine of Yeshiva University
Serotonin signal transduction in two groups of autistic patients	$0	Q2.Other	University of Illinois at Chicago
Sex differences in early brain development; Brain development in Turner syndrome	$155,873	Q2.S.D	University of North Carolina at Chapel Hill
Shank3 in synaptic function and autism	$401,250	Q2.Other	Massachusetts Institute of Technology

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SHB: Type II (INT): Synthesizing self-model and mirror feedback imageries with applications to behavior modeling for children with autism	$798,912	Q2.Other	University of Kentucky Research Foundation
Simons Variation in Individual Project (Simons VIP) Core Leader Gift	$0	Q2.S.G	Boston Children's Hospital
Simons Variation in Individuals Project (Simons VIP)	$706,044	Q2.S.G	Emory University
Simons Variation in Individuals Project (Simons VIP) Core Leader Gift	$0	Q2.S.G	University of California, San Francisco
Simons Variation in Individuals Project (Simons VIP) Principal Investigator Gift	$73,534	Q2.S.G	Columbia University
Simons Variation in Individuals Project (VIP) Core Neuroimaging Support Site	$513,646	Q2.S.G	University of California, San Francisco
Simons Variation in Individuals Project (VIP) Functional Imaging Site	$1,299,083	Q2.S.G	University of California, San Francisco
Simons Variation in Individuals Project (VIP) Functional Imaging Site	$736,449	Q2.S.G	The Children's Hospital of Philadelphia
Simons Variation in Individuals Project (VIP) Imaging Analysis Site	$137,106	Q2.S.G	Harvard University
Simons Variation in Individuals Project (VIP) Principal Investigator	$126,453	Q2.S.G	Columbia University
Simons Variation in Individuals Project (VIP) Recruitment Coordination Site	$98,087	Q2.S.G	Weis Center for Research - Geisinger Clinc
Simons Variation in Individuals Project (VIP) Site	$436,833	Q2.S.G	University of Washington
Simons Variation in Individuals Project (VIP) Site	$768,296	Q2.S.G	Boston Children's Hospital
Simons Variation in Individuals Project (VIP) Site	$466,763	Q2.S.G	Baylor College of Medicine
Simons Variation in Individuals Project (VIP) Statistical Core Site	$136,125	Q2.S.G	Columbia University
Simons Variation in Individuals Project (VIP) Structural Imaging and Phenotyping Site - SCAP-local	$217,322	Q2.S.G	The Children's Hospital of Philadelphia
Single-unit recordings from the amygdala in people with autism	$0	Q2.S.E	California Institute of Technology
Single-unit recordings in neurosurgical patients with autism	$55,200	Q2.S.E	California Institute of Technology
Social and affective components of communication	$317,715	Q2.Other	Salk Institute For Biological Studies
Social behavior deficits in autism: Role of amygdala	$0	Q2.Other	State University of New York Upstate Medical Center
Social brain networks for the detection of agents and intentions	$414,688	Q2.Other	Yale University
Social cognition in 22q11.2 deletion syndrom (DS) adolescents with ASD vs. without ASD: Imaging and genetic correlates	$0	Q2.S.G	State University of New York Upstate Medical Center

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Social interaction and reward in autism: Possible role for ventral tegmental area	$62,496	Q2.Other	University of Geneva
Social processing, language, and executive functioning in twin pairs: Electrophysiological and behavioral endophenotypes	$150,000	Q2.S.G	University of Washington
Spatial attention in autism spectrum disorders	$28,600	Q2.Other	New York University
Statistical analysis of biomedical imaging data in curved space	$326,528	Q2.Other	University of North Carolina at Chapel Hill
Statistical word learning and non-social visual attention in children with autism	$33,148	Q2.Other	University of Wisconsin - Madison
Stimulus-driven attention deficits in autism	$0	Q2.Other	University of Minnesota
Stimulus preceding negativity and social stimuli in autism spectrum disorder	$28,600	Q2.Other	University of California, San Diego
Structural and functional connectivity of large-scale brain networks in autism	$168,978	Q2.Other	Stanford University
Structural and functional neuroimaging of the auditory system in autism	$157,905	Q2.Other	Children's Hospital of Philadelphia
Studying Rett and Fragile X syndrome in human ES cells using TALEN technology	$0	Q2.S.D	Whitehead Institute for Biomedical Research
Study of fragile X mental retardation protein in synaptic function and plasticity	$317,077	Q2.S.D	University of Texas Southwestern Medical Center
Subependymal zone function in autism spectrum disorders	$59,560	Q2.Other	University of Oxford
Synaptic phenotype, development, and plasticity in the fragile X mouse	$395,134	Q2.S.D	University of Illinois at Urbana Champaign
Synaptic processing in the basal ganglia	$377,815	Q2.Other	University of Washington
Synchronous activity in networks of electrically coupled cortical interneurons	$0	Q2.Other	University of California, Davis
Systematic characterization of the immune response to gluten and casein in autism spectrum disorders	$0	Q2.S.A	Weill Cornell Medical College
Taste, smell, and feeding behavior in autism: A quantitative traits study	$570,508	Q2.Other	University of Rochester
Testing the hyperspecificity hypothesis: A neural theory of autism	$247,018	Q2.Other	Children's Hospital of Philadelphia
Thalamocortical connectivity in children and adolescents with ASD-A combined fcMRI and DTI approach	$28,600	Q2.Other	San Diego State University
The Brain Genomics Superstruct Project	$150,000	Q2.L.B	Harvard University
The cognitive neuroscience of autism spectrum disorders	$1,074,095	Q2.Other	National Institutes of Health
The computational basis of theory of mind in the human brain	$103,965	Q2.Other	California Institute of Technology

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The effects of autism on the sign language development of deaf children	$59,419	Q2.Other	Boston University
The effects of autism on the sign language development of deaf children (supplement)	$1,188	Q2.Other	Boston University
The effects of disturbed sleep on sleep-dependent memory consolidation and daily function in individuals with ASD	$90,480	Q2.S.E	Beth Israel Deaconess Medical Center
The functional link between DISC1 and neuroligins: Two genetic factors in the etiology of autism	$0	Q2.S.D	Children's Memorial Hospital, Chicago
The genetic basis of mid-hindbrain malformations	$798,866	Q2.S.G	Seattle Children's Hospital
The genetic control of social behavior in the mouse (supplement)	$201,966	Q2.Other	University of Hawai'i at Manoa
The impact of Pten signaling on neuronal form and function	$346,014	Q2.Other	Dartmouth College
The mechanism of the maternal infection risk factor for autism	$150,000	Q2.S.A	California Institute of Technology
The microRNA pathway in translational regulation of neuronal development	$352,647	Q2.S.D	University of Massachusetts Medical School
The microstructural basis of abnormal connectivity in autism	$332,991	Q2.Other	University of Utah
The neural bases of top-down attentional control in autism spectrum disorders	$27,578	Q2.Other	City College of New York
The neural basis of weak central coherence in autism spectrum disorders	$13,040	Q2.Other	Yale University
The neural substrates of higher-level learning in autism	$192,500	Q2.Other	University of California, Davis
The neural substrates of social interactions	$15,865	Q2.Other	University of Iowa
The role of CNTNAP2 in embryonic neural stem cell regulation	$0	Q2.Other	Johns Hopkins University School of Medicine
The role of Fox-1 in neurodevelopment and autistic spectrum disorder	$145,757	Q2.Other	University of California, Los Angeles
The role of genetics in communication deficits in autism spectrum disorders	$60,000	Q2.S.D	University of Pennsylvania
The role of intracellular metabotropic glutamate receptor 5 at the synapse	$13,400	Q2.S.D	Washington University in St. Louis
The role of MeCP2 in Rett syndrome	$382,858	Q2.S.D	University of California, Davis
The role of mTOR inhibitors in the treatment of autistic symptoms in symptomatic infantile spasms	$0	Q2.S.E	Albert Einstein College of Medicine of Yeshiva University
The role of neurexin IV in central nervous system development	$100,466	Q2.Other	University of California, Los Angeles
The role of the GRIP protein complex in AMPA receptor trafficking and autism spectrum disorders	$0	Q2.Other	Johns Hopkins University

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The role of the new mTOR complex, mTORC2, in autism spectrum disorders	$625,998	Q2.Other	Baylor College of Medicine
The role of UBE3A in autism	$312,501	Q2.S.D	Harvard Medical School
The social brain in schizophrenia and autism spectrum disorders	$594,733	Q2.Other	Hartford Hospital
The striatal circuitry underlying autistic-like behaviors	$31,975	Q2.Other	Duke University
The Study of Toddlers with Autism and Regression (STAR) Protocol – Screening for treatable disorders and biomarkers of inflammation and immune activation in the plasma and CNS	$0	Q2.S.A	Surrey Place Centre, Toronto
TMLHE deficiency and a carnitine hypothesis for autism	$60,000	Q2.S.D	Baylor College of Medicine
To study the relationship between low GAD2 levels and anti-GAD antibodies in autistic children	$7,260	Q2.S.A	Hartwick College
Towards an endophenotype for amygdala dysfunction	$380,304	Q2.Other	California Institute of Technology
Transcriptional regulators in normal human brain development and autism	$30,002	Q2.Other	University of California, Los Angeles
Transcriptional responsiveness in lymphoblastoid cell lines	$0	Q2.Other	University of Pennsylvania
Translational regulation of adult neural stem cells	$396,944	Q2.S.D	University of Wisconsin - Madison
Treatment of medical conditions among individuals with autism spectrum disorders	$339,591	Q2.S.E	National Institutes of Health
TrkB agonist therapy for sensorimotor dysfunction in Rett syndrome	$147,806	Q2.S.D	Case Western Reserve University
Typical and pathological cellular development of the human amygdala	$385,000	Q2.Other	University of California, Davis
Underlying mechanisms in a cerebellum-dependent model of autism	$60,000	Q2.S.D	Harvard Medical School
Understanding the basic neurobiology of Pitt-Hopkins syndrome	$60,000	Q2.S.D	The University of Alabama at Birmingham
Understanding the brain basis of impaired imitation learning in autism	$55,200	Q2.Other	Kennedy Krieger Institute
Understanding the etiological significance of attentional disengagement in infants at-risk for ASD	$46,000	Q2.L.A	Boston Children's Hospital
Understanding the role of Epac2 in cognitive function	$47,232	Q2.Other	Northwestern University
Upper motor neuron plasticity in the MeCP2-duplication syndrome of autism	$62,500	Q2.S.D	Baylor College of Medicine
Urokinase-type plasminogen activator plasma concentration and its relationship to hepatocyte growth factor (HGF) and GABA levels in autistic children	$8,505	Q2.Other	Hartwick College
Using fruit flies to map the network of autism-associated genes	$156,245	Q2.Other	University of California, San Diego

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Using high definition fiber tracking to define developmental neurobiologic mechanisms & a neural basis for behavioral heterogeneity	$25,000	Q2.Other	Carnegie Mellon University
Using near-infrared spectroscopy to measure the neural correlates of social and emotional development in infants at risk for autism spectrum disorder	$0	Q2.Other	University of New South Wales
Vasopressin receptor polymorphism and social cognition	$395,156	Q2.Other	Georgia State University
White matter glial pathology in autism	$0	Q2.Other	East Tennessee State University
Why are autistic females rare and severe? An approach to autism gene identification.	$28,600	Q2.S.B	Johns Hopkins University
Young development of a novel PET ligand for detecting oxytocin receptors in brain	$261,360	Q2.Other	Emory University
Young development of a novel PET ligand for detecting oxytocin receptors in brain (supplement)	$176,000	Q2.Other	Emory University